

REMARKS

Claims 1-32 are pending in the application.

Claims 23-32 are rejected.

Claims 1-7, 9, 12, 14-8 and 20 are allowed.

Claims 8, 10, 11, 13, 19, and 21-22 are objected to for antecedent basis problems.

The Applicant respectfully asserts that the amendments to Claims 8, 10, 11, 13, 19, 21-23 and incorporated by reference in any claims depending therefrom, are not narrowing amendments made for a reason related to the statutory requirements for a patent that will give rise to prosecution history estoppel. See *Festo Corp. v. Shoketsu Kinzoku Kogyo Kabushiki Co.*, 122 S. Ct. 1831, 1839-40, 62 U.S.P.Q.2d 1705, 1711-12 (2002); 234 F.3d 555, 566, 56 U.S.P.Q.2d 1865, 1870 (Fed. Cir. 2001).

I. ALLOWABLE MATERIAL

Claims 1-7, 9, 12, 14-18 and 20 are allowed

II. CLAIM OBJECTIONS

Claims 8, 10, 11, 13, 19, and 21-22 are objected to for antecedent basis problems and informalities. Claims 8, 10, 19, 21, 30, and 32 have been amended to change "control voltage" to "control signal" as recited in Claim 1. Claims 11 and 22 have been amended to correctly depend from Claims 4 and 15, respectively. Claim 13 has been amended to add semicolons as suggested by the Examiner.

III. REJECTION UNDER 35 U.S.C. § 112

The Examiner rejected Claims 23-32 under 35 U.S.C. §112, first paragraph, as failing to comply with the enablement requirement. The Examiner states that (sic) "the

mention of a CPU comprising a PLL is critical or essential to the practice of the invention, but is not included in the claim(s) is not enabled by the disclosure."

The Applicant amended Claim 23 to change "CPU" to "data processing system" as suggested by the Examiner. The Applicant respectfully asserts that the rejections of Claims 23-32 under 35 U.S.C. §112, first paragraph, are traversed by this amendment.

II. CONCLUSION

Claims 8, 10, 19, 21, 30, and 32 have been rewritten to change "control voltage" to "control signal" as introduced in Claim 1. The Applicant respectfully asserts that this amendment traverses the objections of Claims 8, 10, 19, 21, 30, and 32.

Claims 11 and 22 have been rewritten to correctly depend from Claims 4 and 15, respectively, where "first threshold voltage" and "time window" were introduced.

Claims 13 has been rewritten as suggested by the Examiner to add semicolons between "pulse" and "if" to clarify the claims.

Claim 23 has been rewritten to change "CPU" to "data processing system" on line 5 of the claim as suggested by the Examiner to overcome the rejection of Claim 23 and Claims 24-32 which depend from Claim 23 either directly or indirectly.


The Applicants, therefore, respectfully assert that Claims 1-32 are now in condition for allowance and request an early allowance of these claims.

Applicants respectfully request that the Examiner call Applicants' attorney at the below listed number if the Examiner believes that such a discussion would be helpful in resolving any remaining problems.

Respectfully submitted,

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IN THE DRAWINGS

The attached drawing sheets include new FIG. 5 and FIG. 7.

In FIG. 5, a label "multiplier" consistent with the Specification is provided for element 506 as suggested by the Examiner. In FIG. 7 and consistent with the Specification a label "Disk Drive" was added for element 720, a label of "Tape Drive" was added for element 740, a label of "Display" was added to element 738, and a label of "Keyboard" was added for element 724 as suggested by the Examiner.

Attachment: New Sheets